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CLAIMS

1. A suspension system for a vehicle, comprising:

5 an outer rotor type motor having a stator provided on an outer surface of a cylindrical member that defines space open to at least an inboard side of the vehicle, and a rotor rotatably supported by the cylindrical member, wherein the outer rotor type motor is  
10 provided within a wheel and the rotor of the outer rotor is connected to the wheel; and

a suspension arm whose mounting portion is provided on an inner surface of the cylindrical member.

15 2. The suspension system as claimed in claim 1 further comprising:

a bearing that is arranged between the cylindrical member and the rotor and outboard of the rotor.

20 3. The suspension system as claimed in claim 2 further comprising:

a sealing that is arranged between the cylindrical member and the rotor and inboard of the rotor; and

25 a second bearing that is arranged between the cylindrical member and the rotor and adjacent to the sealing.

30 4. The suspension system as claimed in claim 1, wherein connected to the rotor is a brake disk that is disposed such that a disk surface of the brake disk is located within the space defined by the cylindrical member.